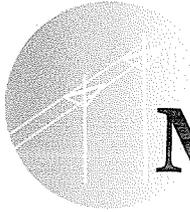


2006-00494



Meade County RECC

P.O. Box 489
Brandenburg, KY 40108-0489
(270) 422-2162
Fax: (270) 422-4705

2/18/13

Director of Engineering
Kentucky Public Service Commission
211 Sower Blvd
P.O. Box 615
Frankfort, Ky 40602-0615

Dear Sir or Madam,

Attached is the annual reliability report for Meade County RECC's operational year of 2012. If there are any questions or concerns, you may contact me at (270) 422-2162.

Sincerely,

David R. Poe, P.E.
Vice President of Operations & Engineering

Kentucky Public Service Commission

Electric Distribution Utility Annual Reliability Report

Section 1: Contact Information

UTILITY NAME	1.1	Meade County RECC
REPORT PREPARED BY	1.2	David Poe
EMAIL ADDRESS OF PREPARER	1.3	dpoe@mcrecc.com
PHONE NUMBER OF PREPARER	1.4	270-422-2162 Ext. 3149

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	2012
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SECTION 3: MAJOR EVENT DAYS

Tmed	3.1	8.06
FIRST DATE USED TO DETERMINE Tmed	3.2	January 1, 2010
LAST DATE USED TO DETERMINE Tmed	3.3	December 31, 2011
NUMBER OF MED IN REPORT YEAR	3.4	6

NOTE: Per IEEE 1366 Tmed should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

SECTION 4: SYSTEM RELIABILITY RESULTS

	EXCLUDING MED	
SAIDI	4.1	133.798
SAIFI	4.2	1.819
CAIDI	4.3	73.519
	INCLUDING MED (OPTIONAL)	
SAIDI	4.4	259.085
SAIFI	4.5	2.739
CAIDI	4.6	94.593

NOTES:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of April each year.
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, CAIDI and Tmed.

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SECTION 5: OUTAGE CAUSE CATEGORIES

CAUSE CODE DESCRIPTION	SAIDI VALUE	CAUSE CODE DESCRIPTION	SAIFI VALUE
Storms 5.1.1	55.709	Storms 5.2.1	0.633
Unknown 5.1.2	12.481	Pre-Arranged 5.2.2	0.228
Public Cause 5.1.3	10.929	Unknown 5.2.3	0.170
Birds/Animals 5.1.4	9.386	Birds/Animals 5.2.4	0.167
Pre-Arranged 5.1.5	9.140	Cutouts/OCB 5.2.5	0.127
Trees Out of ROW 5.1.6	7.016	Public Cause 5.2.6	0.103
Other 5.1.7	6.636	Conductor 5.2.7	0.082
Line Hardware 5.1.8	6.632	Line Hardware 5.2.8	0.079
Conductor 5.1.9	5.458	Power Supplier 5.2.9	0.077
Cutouts/OCB 5.1.10	4.617	Other 5.2.10	0.063

SECTION 6: WORST PERFORMING CIRCUITS

CIRCUIT IDENTIFIER	SAIDI VALUE	MAJOR OUTAGE CATEGORY
Cloverport 3 6.1.1	658.199	Storms
Union Star 1 6.1.2	418.978	Storms
Battletown 1 6.1.3	400.5	Storms
Flaherty 1 6.1.4	383.053	Storms
McDaniels 2 6.1.5	372.792	Other
Andyville 1 6.1.6	362.767	Public Cause
Hardinsburg2 2 6.1.7	304.537	Public Cause
Irvington 2 6.1.8	260.105	Storms
Cloverport 2 6.1.9	212.894	Storms
Harned 1 6.1.10	209.095	Line Hardware

CIRCUIT IDENTIFIER	SAIFI VALUE	MAJOR OUTAGE CATEGORY
Flaherty 1 6.2.1	6.062	Storms
Irvington 2 6.2.2	5.994	Cutouts/OCB
Cloverport 3 6.2.3	5.615	Storms
McDaniels 2 6.2.4	4.804	Storms
Harned 1 6.2.5	4.122	Storms
Union Star 1 6.2.6	3.699	Storms
Irvington 5 6.2.7	3.450	Cutouts/OCB
Battletown 1 6.2.8	3.000	Storms
Cloverport 2 6.2.9	2.824	Storms
Irvington 4 6.2.10	2.803	Cutouts/OCB

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Additional pages may be attached as necessary

SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

With SAIDI indices of only 1.96 and 7.02 minutes (trees-in and trees-out of the ROW respectively), vegetation is not deemed a concerning contributing factor in the 2012 reliabilities. The planned substation trimming schedules for 2012 were completed and no changes are anticipated in the vegetation management plan for 2013.

SECTION 8: UTILITY COMMENTS

Meade County RECC converted to a new Outage Management System (OMS) in 2010. Because of the noticeable manner and precision the outages are now tracked versus the prior method and due to the massive effort required to convert the old data into the new OMS, the Tmed calculations and other comparisons are performed only for the years of 2010 through 2012.

Without excluding those days whose SAIDI indices were above the Tmed, power supplier and storm related outages were by far the most dominant causes of outages in 2012. Spring storms and two failures in the Big Rivers Electric Hardinsburg substation adversely affected the reliability of the system; however, both of the power supplier's events were eliminated from the calculations due to their resulting SAIDI being higher than the Tmed. Big Rivers is planning for and designing a modification for the substation to alleviate such devastating outages at that site; however, implementation will likely be in either 2014 or 2015.

Pre-arranged outages are still major contributors to the outage count due to MCRECC's continuation of replacing the old copper lines within the system. This initiative should be complete near the end of 2015.